

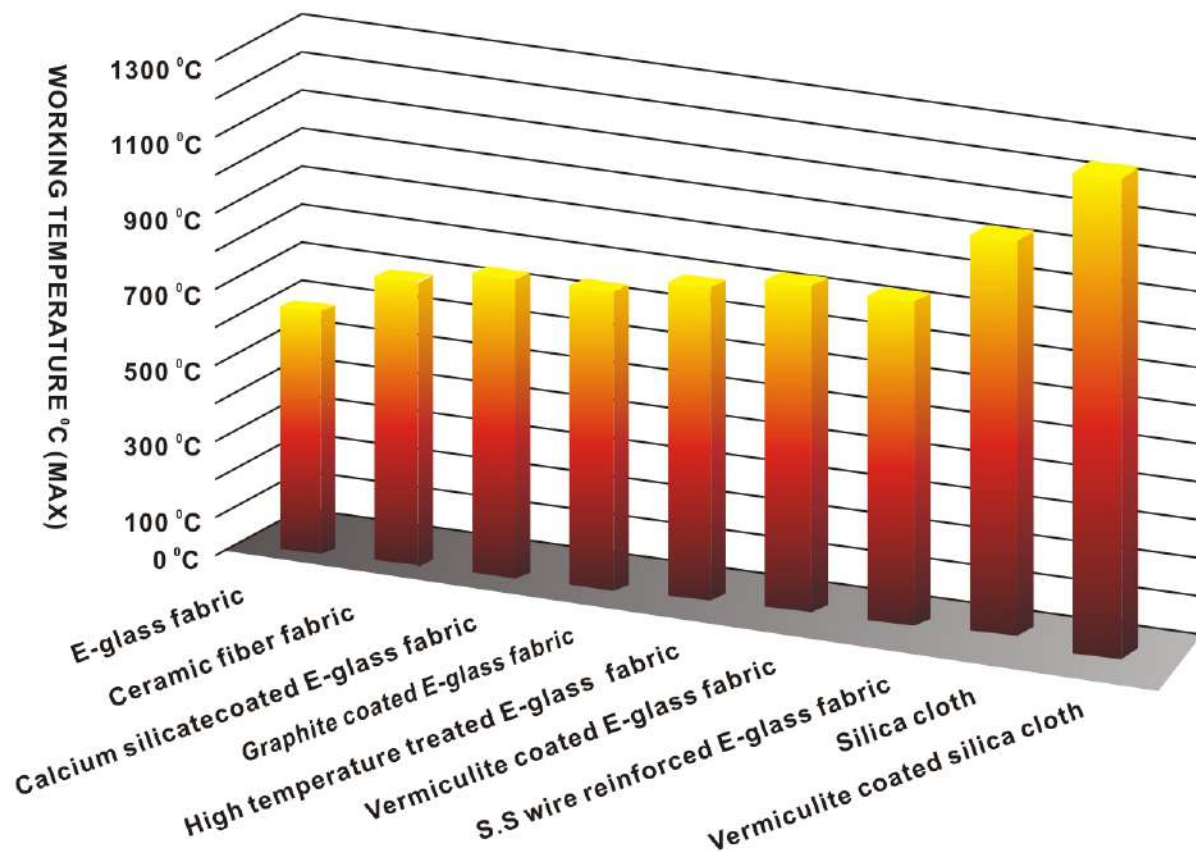


I. HIGH TEMPERATURE INDUSTRIAL FABRICS

Suntex continues to research, develop & manufacture high temperature industrial fabrics since it born.

Nowadays, Suntex makes a variety of high-temp resistance fabrics for temperatures from 500 °C to 1200 °C.

THERMAL BEHAVIOR OF HIGH-TEMP INDUSTRIAL FABRICS FROM SUNTEX



SILICA FABRIC

The silica fabric from Suntex has a minimum silicon dioxide content of 96% for optimum performance. High silica fabric can be effectively used at steady state temperatures to 1000 °C (2000 °F) without deterioration or formation of cristobalite structure. The silica fabric has been specially developed to use in the applications to protect extreme temperature environment. They also have excellent chemical resistance and electrical insulation properties.

The vermiculite coated silica fabric from Suntex offers good resistance to extreme temperatures, being able to operate normally in 1100 °C. Vermiculite treated silica cloth has excellent abrasion resistance and good mechanical properties for fabricating.

MAIN APPLICATIONS:

- > Heavy duty welding protection
- > Heat shields
- > Thermal insulation covers, mattresses and pads.
- > Fire door & smoke curtains
- > Fire control systems

MAIN SPECIFICATIONS:

Style No.	Weave	Finish	Weight		Thickness	
			(g/m ²)	(oz/yd ²)	(mm)	(inch)
SI600	8H Satin	Loomstate	620	18	0.65	0.0255
SI1200	12H Satin	Loomstate	1220	36	1.3	0.0511
SI600-VE216-5021	8H Satin	Vermiculite coated on Both sides	650	19	0.65	0.0255
SI1200-VE216-5022	12H Satin	Vermiculite coated on Both sides	1260	37	1.3	0.0511





S.S WIRE REINFORCED E-GLASS FABRIC

E-glass fiber inserted with stainless steel wire provides higher temperature rating up to 800 °C, short burst up to 1000 °C. It's flexible and easy to be cut, sewn and fabricated.

MAIN APPLICATIONS:

- > Smoke and fire curtains
- > Removable thermal insulation covers
- > Duct lagging
- > Turbine and exhaust blankets

MAIN SPECIFICATIONS:

Style No.	Weave	Weight		Thickness	
		(g/m ²)	(oz/yd ²)	(mm)	(inch)
GF660S	8H Satin	640	18.8	0.65	0.0255
TGF1250S	Plain	1250	36.7	1.5	0.059



1000°C



VERMICULITE COATED FIBERGLASS FABRIC

Vermiculite coated fiberglass fabrics from Suntex offers good resistance to extreme temperatures, being able to operate normally in 800°C. Vermiculite treated fabric has excellent abrasion resistance and good mechanical properties for fabricating.

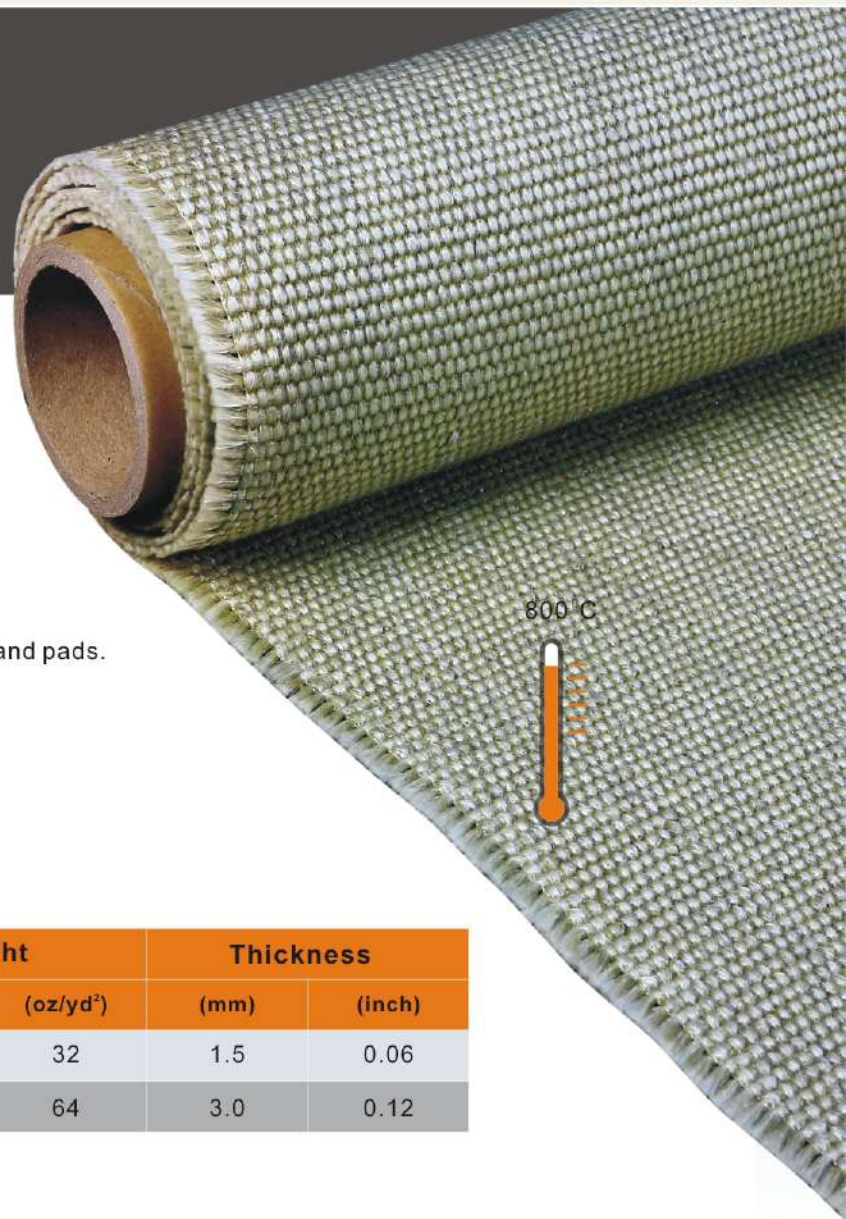
MAIN APPLICATIONS:

- > Heavy duty welding protection
- > Fire doors & smoke curtains
- > Removable insulation covers, mattress and pads.
- > Fire control systems.

MAIN SPECIFICATIONS:

Style No.	Weight		Thickness	
	(g/m ²)	(oz/yd ²)	(mm)	(inch)
TGF1000-VE226-5009	1080	32	1.5	0.06
TGF2050-VE236-5009	2180	64	3.0	0.12

Other specifications are available on request.

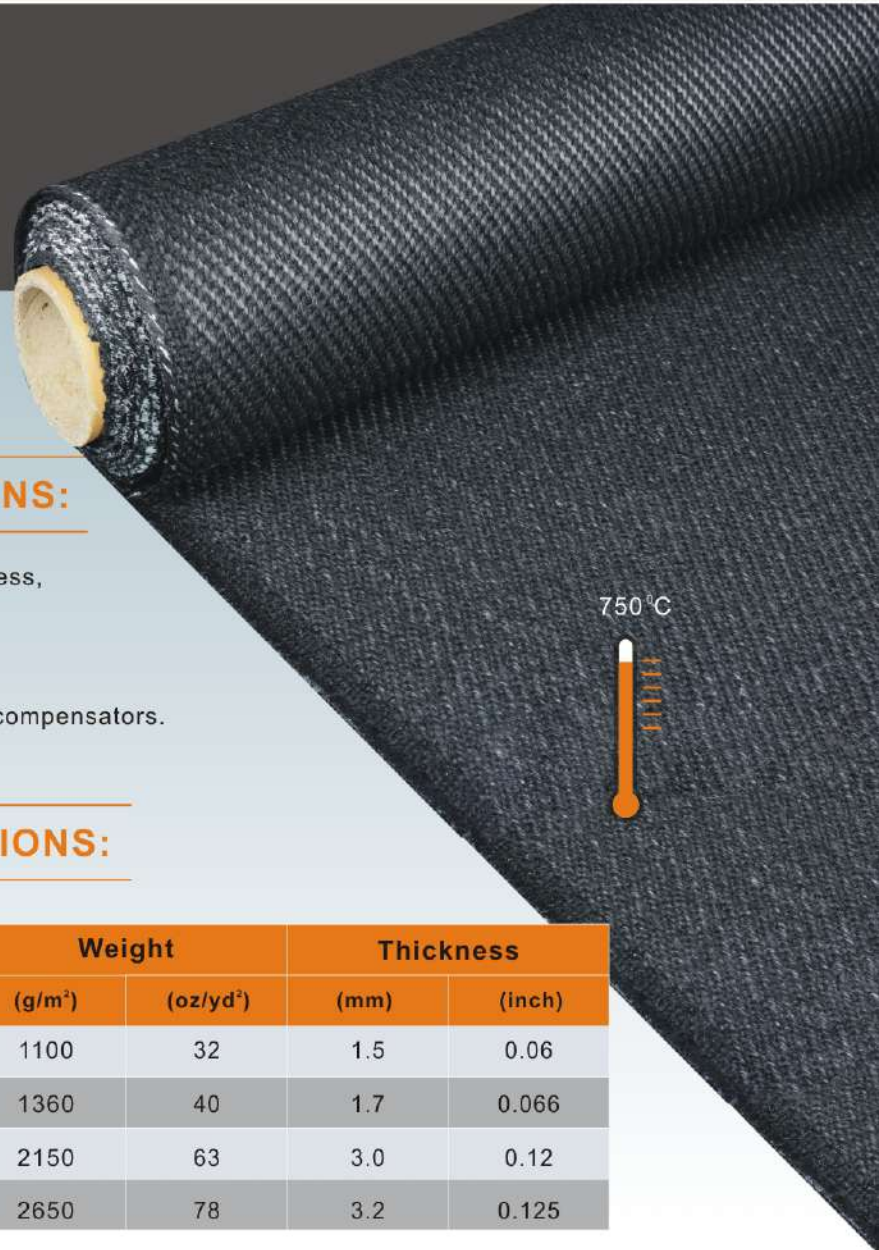




GRAPHITE TREATED FIBERGLASS FABRIC

The treatment of Suntex special graphite solution not only increases the temperature rating of fiberglass fabric, but also gives it greater abrasion resistance.

The continuous temperature up to 700°C, Short burst up to 750°C



MAIN APPLICATIONS:

- > Removable insulation mattress, jackets & pads.
- > Fire doors/smoke curtains
- > Dusts filter bag
- > Flexible expansion joints & compensators.

750°C



MAIN SPECIFICATIONS:

Style No.	Weight		Thickness	
	(g/m ²)	(oz/yd ²)	(mm)	(inch)
TGF1000-GP235-5002	1100	32	1.5	0.06
TGF1250-GP235-5003	1360	40	1.7	0.066
TGF2050-GP235-5004	2150	63	3.0	0.12
TGF2550-GP225-5020	2650	78	3.2	0.125



CALCIUM SILICATE COATED FIBERGLASS FABRIC

The heavy weight woven fiberglass fabric treated with special calcium silicate solution which provides a high temperature resistance as well as greater abrasion. The continuous temperature up to 700°C, Short burst up to 750°C. Suntex offers many optional colors for calcium silicate coated fabrics.

MAIN APPLICATIONS:

- > Removable insulation mattress, jacket & pad.
- > Fire doors/smoke curtain
- > Dusts filter bag
- > Flexible expansion joints & compensators.

MAIN SPECIFICATIONS:

Style No.	Weight		Thickness		color
	(g/m ²)	(oz/yd ²)	(mm)	(inch)	
TGF1000-CS230-5005	1100	33	1.5	0.059	White
TGF1000-CS233-5006	1100	33	1.5	0.059	Grey
TGF1000-CS232-5014	1100	33	1.5	0.059	Blue

750°C



FIBERGLASS FABRICS

Of all forms of fiberglass textiles, woven fiberglass fabrics offer the widest range and the best control over thickness, weight and strength. This offers the materials engineer a wide choice of controlled fabric properties to satisfy design needs and meet objectives.

Suntex's woven filament fiberglass fabrics weight from 100 g/m² to 2000 g/m².

Texturized fiberglass fabrics are woven by textured E-glass yarns with 9µm and

6µm diameter. Bulk texturing increase the thickness of the fabric to improve the thermal insulation capacity.

Suntex's textuized fiberglass fabric weight from 280 g/m² to 3000 g/m².



MAIN APPLICATIONS:

- > Thermal insulation.
- > Heat protection.
- > Welding protection.
- > Removable pads.
- > Fabric expansion joints.
- > Base materials for coating, impregnating and laminating